## CRYPTORA

RSA BASED ENCYPTION - DECRYPTION TOOL

ASSYMETRIC KEY CRYPTOGRAPHY

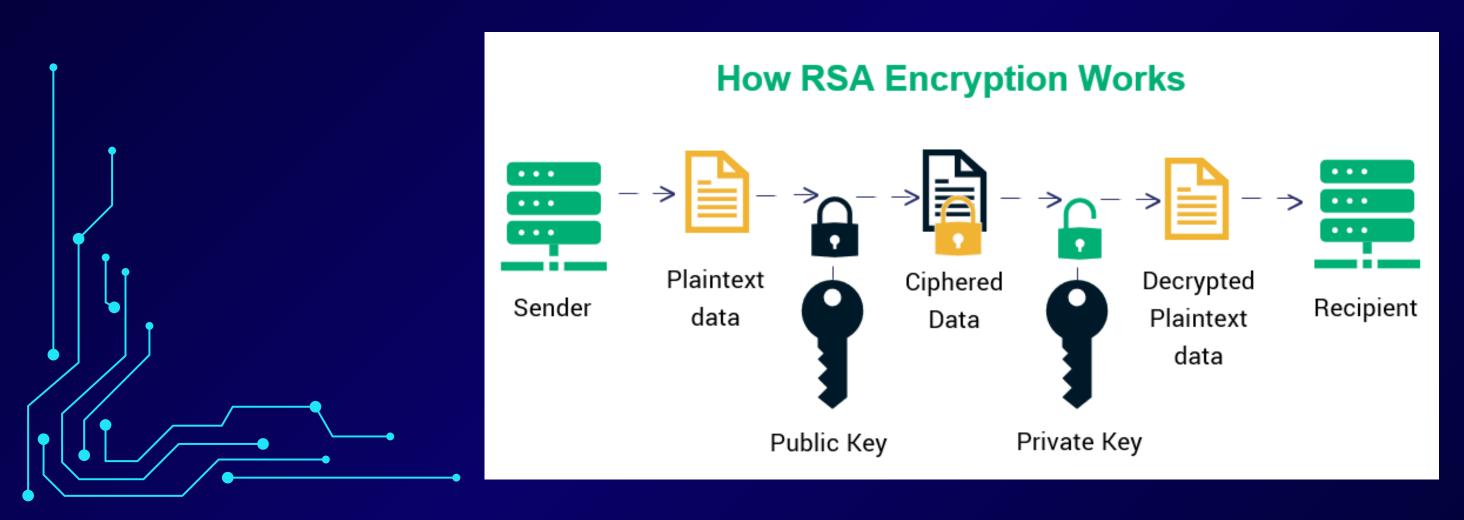


Submitted By - Chhavi Rohilla Submitted To - Abhilasha Mam

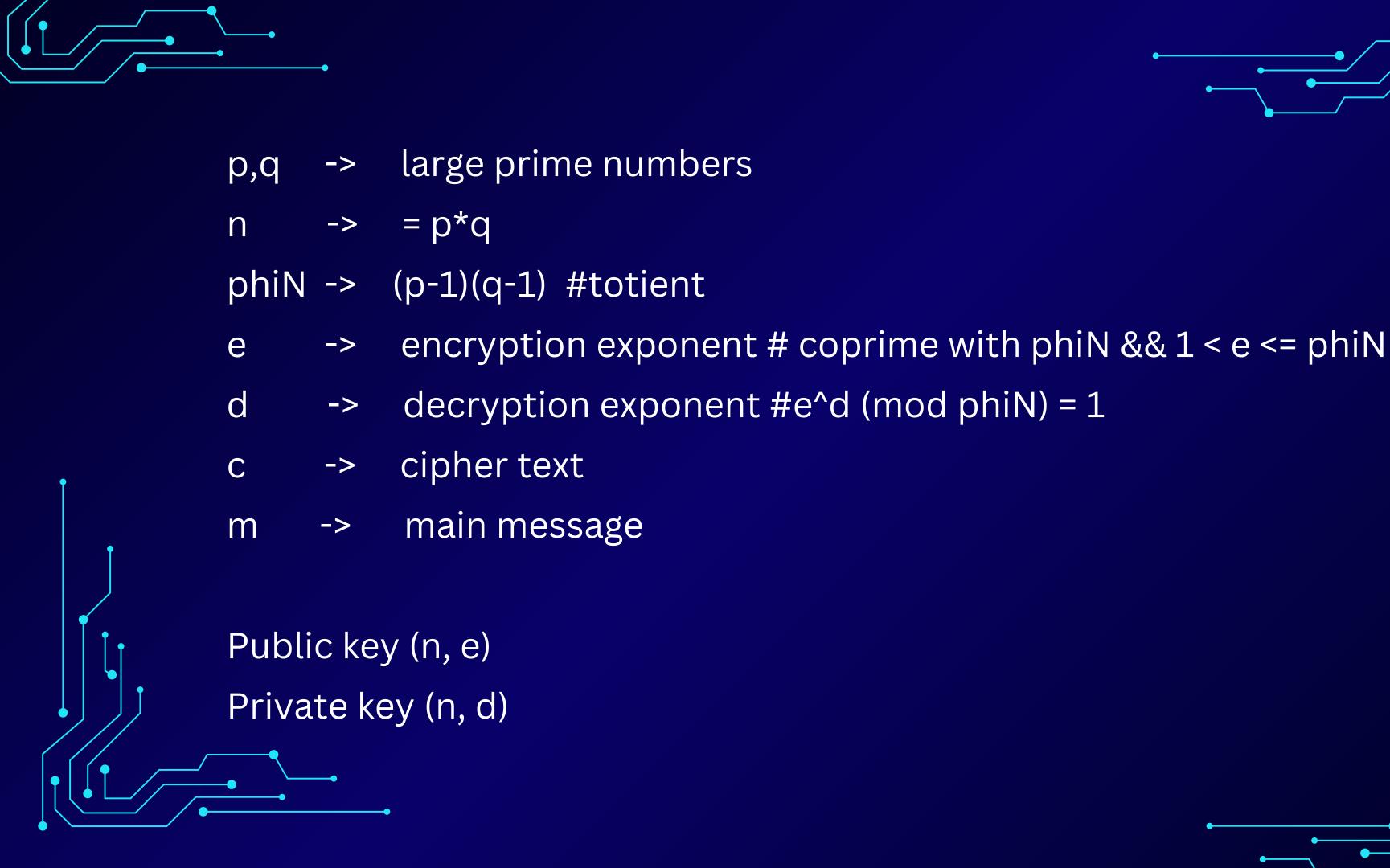
## ASYMMETRIC KEY CRYPTOGRAPHY,

IS A METHOD OF ENCRYPTING AND DECRYPTING DATA USING A PAIR OF MATHEMATICALLY RELATED KEYS.

PUBLIC KEY: SHARED OPENLY WITH ANYONE PRIVATE KEY: KEPT CONFIDENTIAL









# UserB

#### Encyption:

#### Decyption:

UserA <----- C ------ UserB

(n, e, d)

m=c^d mod (n)

### **TECH STACK:**

- -> PYTHON SCRIPT
- -> TKINTER MODULE FOR GUI INTERFACE

#### **MATH STACK:**

- -> EUCLIDEAN ALGORITHM FOR GCD
- -> EXTENDED EUCLIDEAN ALGORITHM MOD INV







